

CLAIM AMENDMENTS:

Claims 1-2 (Canceled).

Claim 3 (New): An ozone hemodiafiltration device, comprising:

water that is treated by reverse osmosis;

an ozone (O₃) generator that converts the water that is treated by reverse osmosis into an ozone water solution;

a dialysate fluid circuit receives the ozone water solution and mixes the ozone water solution with concentrates to form an aseptic isotonic solution that contains ozone, the dialysate fluid circuit being coupled to a dialyzer to supply the aseptic isotonic solution that contains ozone into the dialyzer;

an extracorporeal circuit that draws blood from human blood vessels of a human body, passes the blood through the dialyzer, and then returns the blood back to the human blood vessels; and

a replenishing solute circuit that is coupled to the dialysate fluid circuit to conduct the isotonic solution that contains ozone from the dialysate fluid circuit and through a filter for re-filtration, and is further coupled to the extracorporeal circuit so that the isotonic solution that contains ozone is transported from the filter and into the extracorporeal circuit to enter the human blood vessels for water supplement and to kill microorganisms in the human body, wherein an ozone concentration in the blood is about 3-6 ppm.

Claim 4 (New): An ozone hemodiafiltration device as recited in claim 3, further comprising a monitor disposed in the dialysate fluid circuit for monitoring ozone concentrations in the ozone water solution.